

Request For Deviation / Waiver

D/W # - DAS-D1

Date August 23, 2000

Deviation ☒ Waiver ☐

Originator

Name: ITT Industries, Inc		Address: ITT Industries, Inc. 1761 Business Center Drive Reston, VA 20190	
Title Of Deviation / Waiver: DAS Electronic Equipment Rack Deviation			
Contract Number: GS-35-01095, Task 11		Cage Code: 9M715	
Classification: Minor <input checked="" type="checkbox"/> Major <input type="checkbox"/> Critical <input type="checkbox"/>			
Part Number: 185-600030	Title: Rack Assembly		
Effectivity: All DAS Racks		Recurring Deviation/ Waiver: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Effect on Cost: NONE		Effect on Schedule: NONE	
Effect on Logistics Support, Interface or Software: NONE			
Reference Documents: STDN 270.5, SRD 451-DAS-SRD			
Description of Deviation / Waiver: Modification 1 – Honeycomb waveguide in base instead of plenum for ventilation ducts Modification 2 – Painting methods to change due to EPA/hazardous material requirements Modification 3 – New EMI interface; Flame spray tin coating no longer available on Pentair shielded enclosures			
Need for Deviation / Waiver: Modification 1 – The extra cooling afforded by the waveguide mounted on the air inlet opening would fix problems associated with cooling COTS equipment with diverse fan flows. Modification 2 – These methods will be used instead of those presented in STDN No. 270.5, paragraph 3.4.2 due to EPA regulations and process improvements by the industry to reduce the production of hazardous wastes (hence the use of powdered coatings). The electro-static application method used with the Powdura pain eliminates over-spray and produces a powder residue, which simplifies disposal. Modification 3 – Due to process changes in the Pennsauken facility, Pentair no longer offers the flame spray tin coating specified in 270.5. The only other STDN No. 270.5 approved method uses cadmium, which is now restricted by the EPA. Since Pentair is now using powdered paint methods for all their work, the flame sprayed tin process is incompatible with their facility layout (no painting booths). Pentair is the only supplier of this rack.			
Corrective action taken: Modification 1 – Install honeycomb waveguide in base instead of plenum. Modification 2 – Units to be pre-treated per TT-C-490 D, cleaning method VI (phosphoric acid) , Type II aqueous Iron Phosphate; All surfaces would then be painted with a Sherwin Williams Powdura powder coating paint with paint color 26440 per FED-STD-595. Modification 3 – <u>EMI interfaces</u> : Tin plate base & rear door. Tin-plated copper tape for top panel, side panel openings, front tapped surface and rear door opening.			
Submitting Activity			
Name: W. E. Kearns	Title: Project Manager	Signature: /s/ W. E. Kearns	Date: 23-Aug-00
Customer Approval / Disapproval			
Approval <input checked="" type="checkbox"/>		Disapproval <input type="checkbox"/>	Date 9/11/00
Name: Thomas Gitlin		Title: Product Manager	Signature: Original signed